



THE IMPORTANCE OF MEDICINAL TREES PLANTATION IN THE TREATMENT OF AYURVEDA AND ITS IMPACT ON INDIAN ECONOMY

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ABSTRACT

India is a country of many saints. That's why we are also known for our cultural heritage. But the destiny is that, people in other countries are always come to India to make research on our culture. They just can't believe that, one country should be a sculpture of different castes, creeds, religions and still they are having faith on national Integration. That's why they visit to India to make a Cultural Research. On the other hand, the people in India are adapting the foreign culture. As far as the superiority is concern, we can definitely say that in many view our culture is very much greater than the foreign culture. There are many factors which by which we can prove this viz; food, Social behaviour, touch of humanity, faith on ethics, hospitality of guests, soberness in clothing, respects to woman and older persons, legal laws for the security of children, women and old persons etc.

If we study the history of the psychology of Indian people, we will know that from many decades they are accepted the allopathic treatment rather than Ayurveda. But there are so drawbacks of the allopathic treatment. For example, this treatment is having very dangerous side effects, the drugs in this treatment can give the temporary relief to the patients, the prices of the medicines are so high that poor peoples can't purchase them, most of the times these costly drugs and medicines are not available in the shop of the chemists, the owner of the medical stores earn more profit by giving the lower quality medicines to the patient etc. While ayurvedic treatments also having some better qualities than allopathy i.e. no side effects, the prices of the medicines are so cheap, mostly based on naturopathy-the proper use of medicines available in plants, excellent availability in solid and liquid forms, these medicines can be used for a long time as there is no expiry date for ayurvedic medicines etc. Yogguru Ramdevbaba's 'Patanjali Ayurvedics Ltd.' has broken all the records of the highest sale of his ayurvedic products and created a history by defeating many multinational companies in the cut-throat competition in the market scenario. Most of the Ayurvedic products in India is making use of medicinal plants. So, it is necessary to make the important initiatives to give protection to these plants. These initiatives will be definitely helpful to boost up the treatment of Ayurveda.

KEYWORDS: Urbanization, medicinal, bronchodilator, appetiser, chronic.

INTRODUCTION:

India is a very renowned country for its treatment of human disease through 'Ayurveda'. 'Ayurveda' is a word emerged from Sanskrit language. The simple meaning of Ayurveda is a science of life revolves around the philosophy of the body to prevent the disease.

In India there are main three types of treatments are available in India to cure the human diseases. First one among these treatments is 'Allopathy' – the use of heavy drugs in Liquid as well as in Solid (Tablets & Capsules) form. Second one is 'Homeopathy' – treatment of disease especially by the administration of minute doses of a remedy and third one is 'Ayurveda' – so called as Naturopathy, treatment of disease through the proper use of important herbals and medicines available in plants.

TABLE NO: 1

Serial No.	Name of the Book	Name of the Author
1.	'Sushruta Samhita'	Dhanvantari
2.	'Charaka Samhita'	Charaka
3.	'Nidana'	Madhav
4.	'Ashtanga Sangraha'	Vaghbata
5.	'Kashyap Samhita'	Kashyap

These books are really precious because even today's Ayurvedic doctors refers the principles in these books. Ayurveda is really valuable for Indian medical sector. That's why it is needed to develop the era of Ayurvedic medicines.

Today India's 70% population is living in rural area and their main source of income is based on agriculture sector. There is inequality of loans, funds, subsidies, labours and their compensation, prices of crops etc. In every states. So, India's agriculture profit ratio of each state is different. The formation of small states and small pieces of agriculture land are also the reasons behind this unequal profits.

As far as the forests of India is concerned, it is true that due to more and more urbanization and developing Industrialization, the percentage of Total Forest Area (T.F.A.) in India is decreasing. This should be prove dangerous for the uncertain weather in India. So, it is very necessary to take certain steps to save the agriculture and the rest of the forest area. India's agriculture and forest area are the two important sources by which the medicinal crops should be cultivated. This process should be very much beneficial to produce raw material for the ayurvedic medicines in large extent.

OBJECTIVES OF THE STUDY:

1. To determine the importance of Ayurvedic Treatment in India.
2. To know the need regarding plantation of medicinal plants and trees.
3. To give suggestions to develop the business of medicinal tee plantation.
4. To determine the probable benefits of this business.

LIMITATIONS OF THE STUDY:

This research paper is limited up to making study of the various aspects of the Ayurveda.

REVIEW OF LITERATURE:

India is a developing country. From Independence Indian economy is developing by leaps and bounds. This is true that, due to Industrialization and migrated population among two different states, the burden of the big cities and also of the urban area is increasing. Due to uncertainty of income status, this is the fact that the agriculture is treated as a secondary source of business and not the primary one. Due to more and more urbanization the forests in India is also minimizing its present ratio.

India is strongly appreciated the safe effect of the treatment of human disease through Ayurvedic treatment. There are many precious, so effective and internal capacity developer remedies in Ayurveda based on natural sources of different plants and trees. So, Indian farmers will have to get well acquainted about the use of medicinal plantation in their field. It will create the lot of employment opportunities. It will help people to increase the standard of living and social status in the society.

HYPOTHESIS:

"Medicinal tree plantation business will prove beneficial for Ayurveda and for Indian economy."

RESEARCH METHODOLOGY:

The Secondary sources are used to collect the important data for this research.

SCOPE OF THE STUDY:

Indian farmers are treating agriculture field as a secondary source of Income. Most of the Indian farmers are just want to migrate towards the urban area and prefer to work in the industry. But, it is not possible for each entrepreneurs to give the job in the Industry to each person. So, Instead of this, if they concentrate on their agriculture field and will start medicinal tree plantation, it will definitely give them a golden chance to earn excellent income. It needs practical oriented research work through farmers and proper marketing research work through

farmers and proper marketing research process.

PROBABLE BENEFITS OF MEDICINAL TREES PLANTATION IN INDIA:

Indian farmers are always have a faith on traditional crops. As far as the farmers of Maharashtra are concerned it is clear that, they are not ready to take risk of making new trends in agriculture sector. There are various reasons behind their behaviour. It should be due to different facilities given by government to the different states. But such agricultural practicals will definitely help them to invest new variety of crops. Dadaji Khobragade was the investor of 'HMT' rice. 'MAHYCO' an Indian seed company of Jalna of Maharashtra state has developed Bt brinjal, Panjabrao Krishividdiyapith has invented the colourful cotton having different colours etc. Variety of natural Insecticides and pesticides are the few inventions of Maharashtra. Creation of the electricity from waste leafs and wind, a washing cum exercise machine, hand operated water lifting device, portable smokeless stove, food maker, shock proof converter, solar mosquito killer, creation of electricity by revealing wheel of bicycle, Solar generator, handpump, sprinklers etc. are the some of the inventions made by the Indian farmers.

The Medicinal Trees plantation should be the new invention in developing states like Maharashtra and other states in whole India. The major probable benefits of this business of plantation process will be as under:

1. According to World Bank Survey made in 2011, out of India's 3287263 square kms. Land, only 60.47% land was having agriculture. In other words we can say that, yet 39.57% land is of no use. So there is lot of opportunity cultivation of medicinal plants and trees on this.
2. As far as the Indian forests are concerned, the total forest area in India is increased by 3775 Square feet. The trees cover has gone up by 1306 square kms. According to the India state of forest area (ISFA) 2015, the total trees cover is 79.42 million hectares which is 24.16% of the total geographic area.
3. This Increased tree area is the good sign for the development of cultivation of medicinal plant business.
4. The cultivation of medicinal plants business should definitely help to create self-employment.
5. This business should definitely change the concept of the people regarding agriculture that it is a secondary business.
6. This should be become helpful to create employment opportunities to the needy people. These employment should be related with soil conservation, forest conservation, forest office, research laboratories, and botanical gardens.
7. This business should be helpful to make new practicals in the agriculture.
8. The medicinal plant cultivation should create the lot of jobs like Transportation, agriculture workers, cargo business, General Insurance Sector, Marketing and Sales Team etc.
9. This business should be definitely helpful to innovate new products.
10. Due to this business, there should be ample of opportunities to make various type of research work regarding various fields of agriculture.
11. This business should be helpful for wholesalers and retailers for their wholesaling and retailing business.
12. There are lot of opportunities of export management due to formation of this business.
13. Due to this cultivation business the proper use of by products for another production is possible.

India is a historical country. Most of the ancient events in our country has a historical background. There is a great history regarding use of medicinal plants from ancient age. 'Ramayana' and 'Mahabharata' are two legend books. In Ramayana, 'Hanumana' brought 'Divya Sanjivani Buti' from the mountain called 'Dronagiri' and then vaiddya of 'Ravana' named 'Sushen' give his Ayurvedic treatment by the help of this Buti and saved the soul of 'Laxmana'. In Mahabharata there were occurred a terrific war between 'Kaurava' and 'Pandava'. The millions of peoples were killed and many more was badly injured. At that time the wounds of those injured soldiers were filled by various medicinal ointments. These ointments had been prepared from Pure Ghee and Turmeric. This is not the question whether this event is true or not? But the fact is that, from the ancient times the peoples in India was having excellent knowledge of the proper use of these plants for the preparation of life saving Ayurvedic Medicines. Even today there are various plants which are having excellent medicinal effects of its various parts viz; leafs, roots, branches, fruits etc. Some of these plants and their qualities are as follows:

TABLE NO : 2

Sr. No.	Name of the Plant	Qualities
1	Termeric (Haldi)	Antiseptic, Antibiotic, Faceglower, Purifier, Fat dilator
2	Safed Musali	Blood Riser, Strength Riser, Cemen Builder
3	Ashwagandha	Blood pressure controller, Heart Beats Controller, Strength Riser
4	Aeranda Patri	Bronchodialleter, Expectorant, Digester, Obdeminal Disease Remover
5	Triphala	Digester, Pioria Remover, Teeth Cleaner, Eye sight developer, Mouth freshner

The availability of the medicinal plants in India is good enough to increase the importance of Ayurveda rather than that of Allopathy. Moreover if given a proper treatment through Ayurvedic Medicines the chances of side effects become very low. Even the production cost of the Ayurvedic Medicines is always lower than the heavy and powerful drugs in Allopathy.

Chandrapur, Gadchiroli, Bhandara, Gondia, rural parts in Amravati and Yavatmal are the districts in Vidarbha and Kokan, Thane and Interior parts of few districts of Maharashtra, are having such a deep forests that even the Sunrays can't reach to the land. The peoples living in those forests or nearby forests are so called as 'Adivasis'. These Adivasis have the faith on traditionalism; lives in small huts, drinks the impure water, by hunting the animals and by removing the roots, small insects and fruits from the plants, they used to fulfil their hunger. As having the faith in the tradition, lacking the facilities of hospitals and state Transport and private vehicles, it is not possible for these Adivasis to go to urban area and to take a proper treatment of their disease. So to prevent these diseases, they use to make proper treatment through the medicinal plants and trees. As living in the forests by birth, Adivasis are well acquainted the knowledge of how to make the medicinal use of these plants. By this naturopathy, Adivasis are used to cure their most chronic diseases. So, it is necessary for us to know the importance of 'Ayurveda' in today's busy lifestyle.

THE TREATMENT THROUGH AYURVEDA – SAFEST WAY TO CURE THE DISEASE:

Really the treatment through Ayurveda is a safest way to cure the disease. The whole therapy of the Ayurveda is depend on the fact that 'All the diseases are attack to the human body due to unnecessary Toxins'. So, firstly it is very necessary to remove these toxins through various methods. In Ayurveda these methods are called as 'Paanchakarma'. This is a Sanskrit word. The meaning of 'paancha' is 'Five' and 'Karma' stands for 'Functions'. By this way the meaning of 'Paanchakarma' is the Ayurvedic Treatment by Five major functions to remove the unnecessary toxins from human body. These functions are as follows:

WAMAN (Vomiting Treatment):

In this treatment, the patient has to drink certain medicines from water or oil. After specific period doctors tell him to make vomiting. This treatment removes the 'Kafa Dosha' (cough and Bronchitis).

BASTI (Enema Treatment):

This is the therapy in which the 'Vata Dosha' (Unnecessary Air) is removed through giving Enema to the patient.

VIRECHANA (Purgation Treatment):

Virechana is another type of Waman therapy. Difference is that, Waman is the therapy is used to remove the cough and Virechana is used to remove the 'Pitta Dosha' (Unnecessary Acid) from the body of the patient.

NASYA (Nasal Treatment):

Nasya is the therapy in which 'Sinus' is removed by putting two drops of medicated oil in the each nostril of the patient's nose. Second Treatment is made by hot or cold water. Patient has to take water from nostrils and put it back from mouth. By this treatment patient can solve his Respiratory Tract Infection (R. T. I.) and also Infection of eyes.

RAKTA MOKSHA (Blood Letting):

The human blood is not always 100% pure. It is a combination of good and bad blood. Sometimes diseases occurs due to rising of percentage of bad blood. By removing toxins from blood, the treatment is given to the patient.

In India Ayurveda is now well popular therapy accepted by allopathic doctors also. The main reason behind this is there are few and most rare important books based on Ayurvedic treatment. In this books the author has given the various names of diseases and also written the names of the perfect remedies to cure those diseases. 'Sushruta Samhita' is an ancient Sanskrit book in which the Ayurvedic medicines with surgical training, Instruments and procedure of making intoxicating the patient etc. In his first book and in fourth chapter of 'Sushruta Samhita' the Sushruta has written the basic qualifications and qualities to become a nurse – a service provider to the patient.

It is listen from the reliable resources that, in the period of Sushrutabefore making surgery the patient was intoxicated by giving certain medicines. After the surgery, the Mandible (Mouth) of big black and red ants were used for giving stiches to the wounds of the patient. So, we can say that Ayurveda is a really a boon for medical treatment.

TESTING OF HYPOTHESIS:

For this research work the following Hypothesis is considered.

“Medicinal tree plantation business will prove beneficial for Ayurveda and for Indian economy.”

India is a country having excellent historical background. From ancient times peoples in India are making use of Ayurvedic treatment – a treatment by the use of medicinal plants and trees, branches, fruits, roots etc. Today it is called as a ‘Naturopathy’. There are lot of opportunities in India for cultivation of these plants. There should be certain important steps to be taken to develop this business.

‘Paanchakarma’ is the important therapy of Ayurveda. In this therapy the five sub functions are used to cure the disease. These five functions are namely – Waman, Basti, Virechana, Nasya and Rakta Moksha. In these all the functions the Ayurvedic Medicines are used. These Ayurvedic medicines are prepare from medicinal plants and their various parts.

Today Indian economy is facing the problems of unemployment. It is because of the uncertain ratio between the population growth and the growth of the Industrialization. This ratio of uncertainty should be rise in future. Because the population growth is immensely increasing. But the growth of Industrialization in India is not up to that mark of the growth of population. There should be lot of efforts to minimize these ratio. One of the important effort among these, is the cultivation of medicinal plants and trees. This business will definitely help create the lot of opportunity of employment and to boost up the standard of living of the peoples in our country. It will definitely help them to rise up their income and the Per Head Income (P. H. I.). These all the things will help our economy to spread up its wings of all over development. So, by this data it is clear that, the Hypothesis taken in this research is quite true.

REMEDIES TO STRENGTHEN THE CULTIVATION BUSINESS OF MEDICINAL PLANTATION IN INDIA:

There are lot of remedies are available for the development of the cultivation of medicinal plant business. Some of these remedies are as under:

State government and central government should take initiative to develop the medicinal plant cultivation business. For this purpose there should be provide the facility of loan through nationalize banks and particular amount of subsidy should be given to them.

Day by day the number of people having small lands of agriculture are increasing. If they know the importance of Co-operative agriculture (Contribution of many small agriculture lands into one common land). It should definitely help them to develop the cultivation business.

The team of expert, experienced, extremely talented and knowledgeable peoples from the medicinal plantation stream along with own agriculture land should be appointed by the state and central government. The expert team should have to make regular inspection of this medicinal botanical land, should have to make different practical to invent new plants and natural pesticides and insecticides.

The free availability of cultivation of medicinal plants business newspapers and magazines should get available to the farmers from the Municipal Corporation. The few cell numbers should be published in those magazines so that, farmers should feel free to ask their queries.

Many states in India have big deep forests. Government should have taken necessary steps to protect these forests as the lot of most valuable plants and trees are having excellent medicinal qualities are available in the forests in a large extent.

The government laboratories should get available in every village. This should help the farmers to make the supply of the medicinal plants – the raw material of the Ayurvedic medicines as and when required. The purity and quality of the medicines should be check in those laboratories. The students from various streams i.e. Agriculture, Botany, Geology, B.A.M.S., Naturopathy etc. should visit to those laboratories to get the practical knowledge.

The excellent marketing network should help the farmers to transport the medicinal plants from the agricultural land to the point of production – the production Industries.

The proper counselling, arranging the seminars, workshops, conferences are some of the initiatives through which the farmers should know the importance of this cultivation business.

The most of the medicinal plants are having excellent Ayurvedic and Allopathic

effects. These plants are rare enough that even the rich countries are not having such extremely powerful remedies. So, if farmers know the fact that, some of the plants should have big demand in the foreign markets and by selling these plants they can earn a huge profit they should definitely take interest in the cultivating business.

By the use of by-products after preparation of medicines it is possible to create another production. So, if the farmers will get well acquainted with fact that cultivation of medicinal plants gives them two way income, they should definitely turn towards this business.

If the farmers in India adopts the cultivation business, It should be definitely beneficial for them to boost up their income source.

CONCLUSION:

India is a country having a great mythological background. From last many centuries, the people of our country is having faith on Ayurveda – the treatment of the diseases through the medicinal effects of the plants. The treatment is based on the five therapies known as ‘paanchakarma’. The theme of the Ayurveda to remove the unnecessary toxins from the human body. According to Ayurveda, Wata, Pitta, Kafa are those main toxins due to which the disease are attacked to the human body. To remove these toxins medicinal plants are mostly used, viz; ‘Daruharidra’, ‘Kutaki’, ‘Shatavari’, ‘Guggul’, ‘Gokharu’, ‘Goduchi’, ‘Sigru’, ‘Manjishta’, ‘Yashtimadhu’, ‘Dikamali’, ‘Yavani’, ‘Kutaja’, ‘Wekhanda’, ‘Aparajita’, ‘Bilwa’, ‘Yerandapatri’, ‘SalamDongari’, ‘SalamGatta’ etc. are the names of some of the important and rare medicinal plants, fruits, leaves, branches, roots. These medicinal plants plays a very important role in the Ayurvedic treatment.

Indian farmers are used to take traditional crops through mythological way. They are carrying different and unequal position regarding income, lifestyle and dairing to make practicals in the agriculture etc. Most of the people in our country well known as a small land holders. If they come together with their capital and take a production of medicinal plants through co-operative agriculture, It should change the scenario of small land holders. Because some of these plants are so powerful and rare that, most of the big and rich countries should definitely export them. But for this sustained and extremely excellent quality of these plants are required. By making regular researches at Ph. D. level, minor as well as major research projects from the students and professors and by creating ‘Medicinal Plant Protection Act’ it is possible to make ‘Plant Reserve’ for agriculture and forest sector. No doubt if Indian farmers accept this fact, It should be helpful to strengthen our economy and then only our country should prove itself as super-power of 21st century.

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